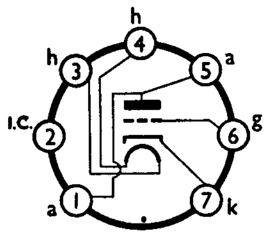
MINIATURE
TRIODE
6·3V INDIRECTLY HEATED

L77

OCTOBER, 1951

BASE CONNECTIONS AND VALVE DIMENSIONS



View from underside of base.

Bulb : B7G
Base : Tubular.

Overall length :	49—55	mm.
Seated length :	43—49	mm.
Max. diameter	19	mm.

RATING

V_h	6·3		V
I_h	0·15		A
V_{h-k}	150	max.	V
V_a	300	max.	V
p_a	3·5	max.	W

CAPACITANCES (of screened valve)

c_{g-k}	1·7	pF	c_{a-k}	2·6	pF	c_{g-a}	2·0	pF

TYPICAL OPERATION

Class A Amplifier :

V_a	100	250	V
V_g	0	−8·5	V
I_a	12	10·5	mA
μ	19·5	17	
r_a	6·25	7·7	kΩ
g_m	3·1	2·2	mA/V

R.F. Power Amplifier and Oscillator, Class C Telegraphy

V_a	300	V
V_g	−27	V
I_a	25	mA
I_g	7	mA
P_{drive}	0·35	W
P_{out}	5·5	W

Under maximum rated conditions, the grid circuit resistance must not exceed 0·25 MΩ with fixed bias or 1 MΩ with cathode bias.

SCREENING

No internal or external screening is fitted to the valve.

MICROPHONY

Although this is of a very low order, equipment should be designed to minimise microphony.

RETAINING

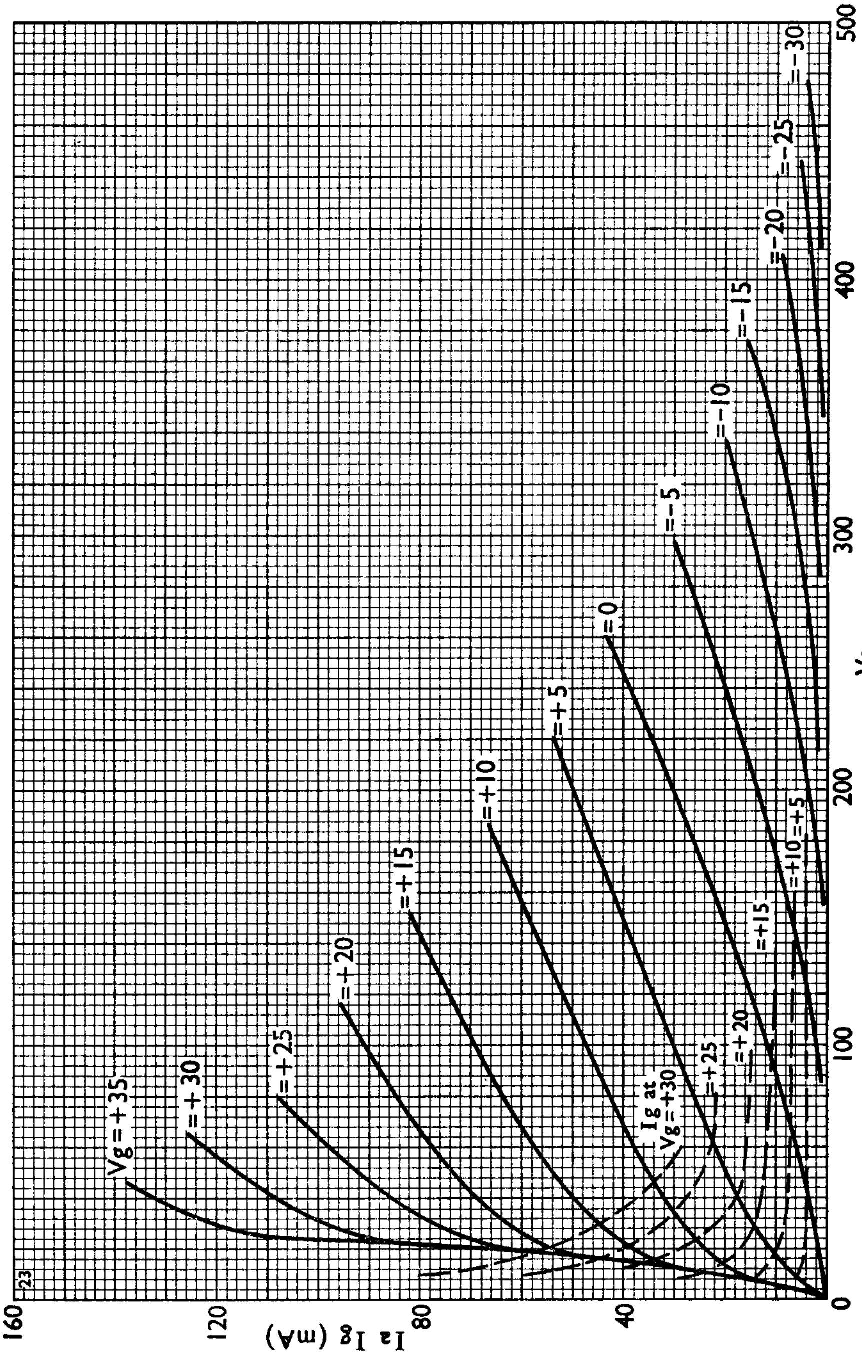
A retaining device should be used.

VENTILATION

No special precautions.

MOUNTING

Any position.


Vg=+35
=+30
=+25
=+20
=+15
=+10
=+5
=0
=-5
=-10
=-15
=-20
=-25
=-30
Ig at Vg=+30
=+25
=+20
=+15
=+10
=+5
Ia Ig (mA)
160
120
80
40
0
100
200
300
400
500
Va
23

L77

